

A LIST OF LYCAENIDAE FROM NORTH THAILAND

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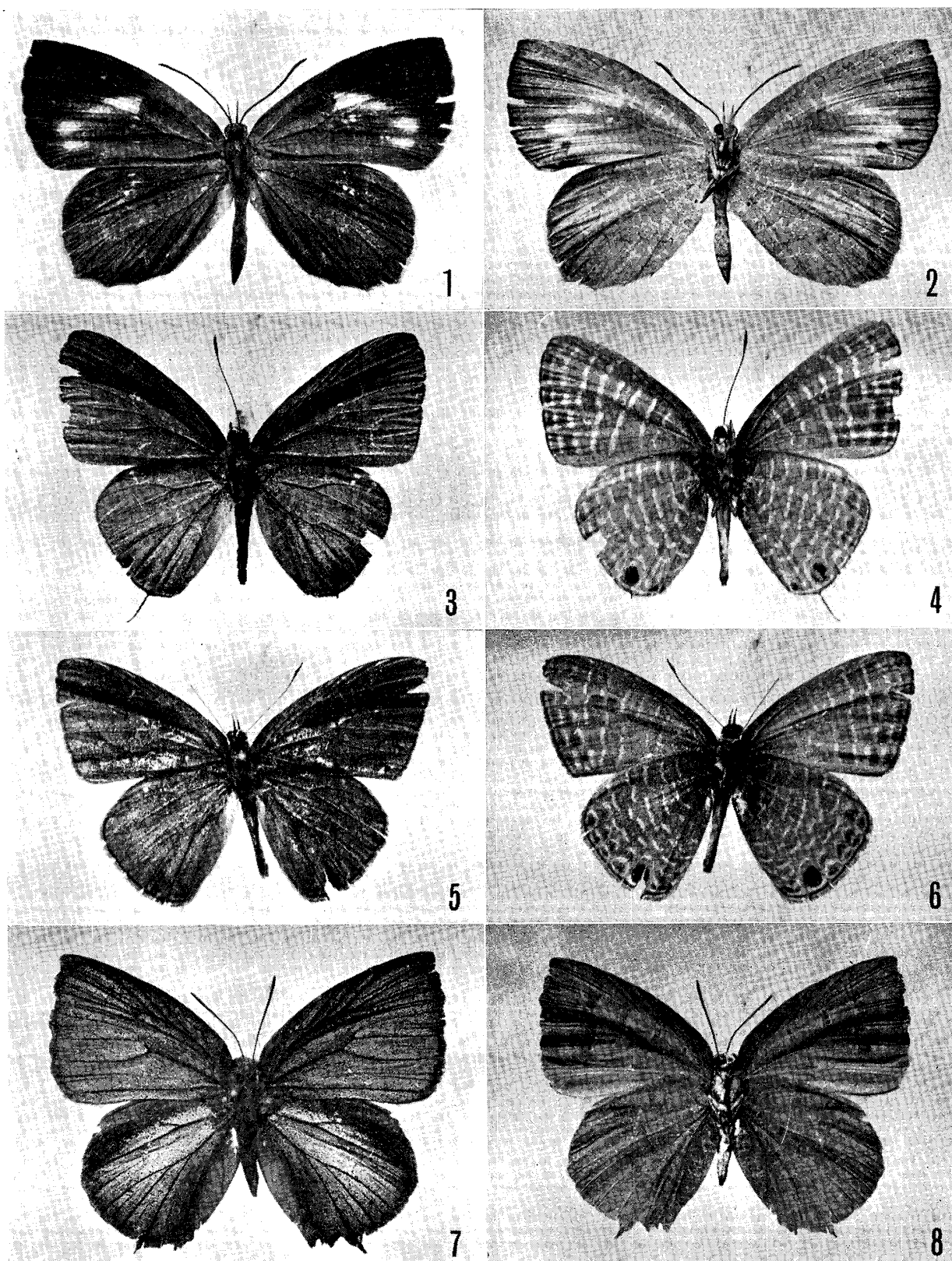
5—2, Tamatsukuri-honmachi, Tennoji-ku, Osaka City

Towards the end of March in 1968 the author visited North Thailand to collect butterflies. It was in the midst of dry season. Most leaves turned yellow and trees shed their leaves as they do in autumn in his country, and so it was difficult to find a suitable site for collecting butterflies. The author could not gather many because of the short-term expedition there. In this report the author deals with Lycaenidae only.

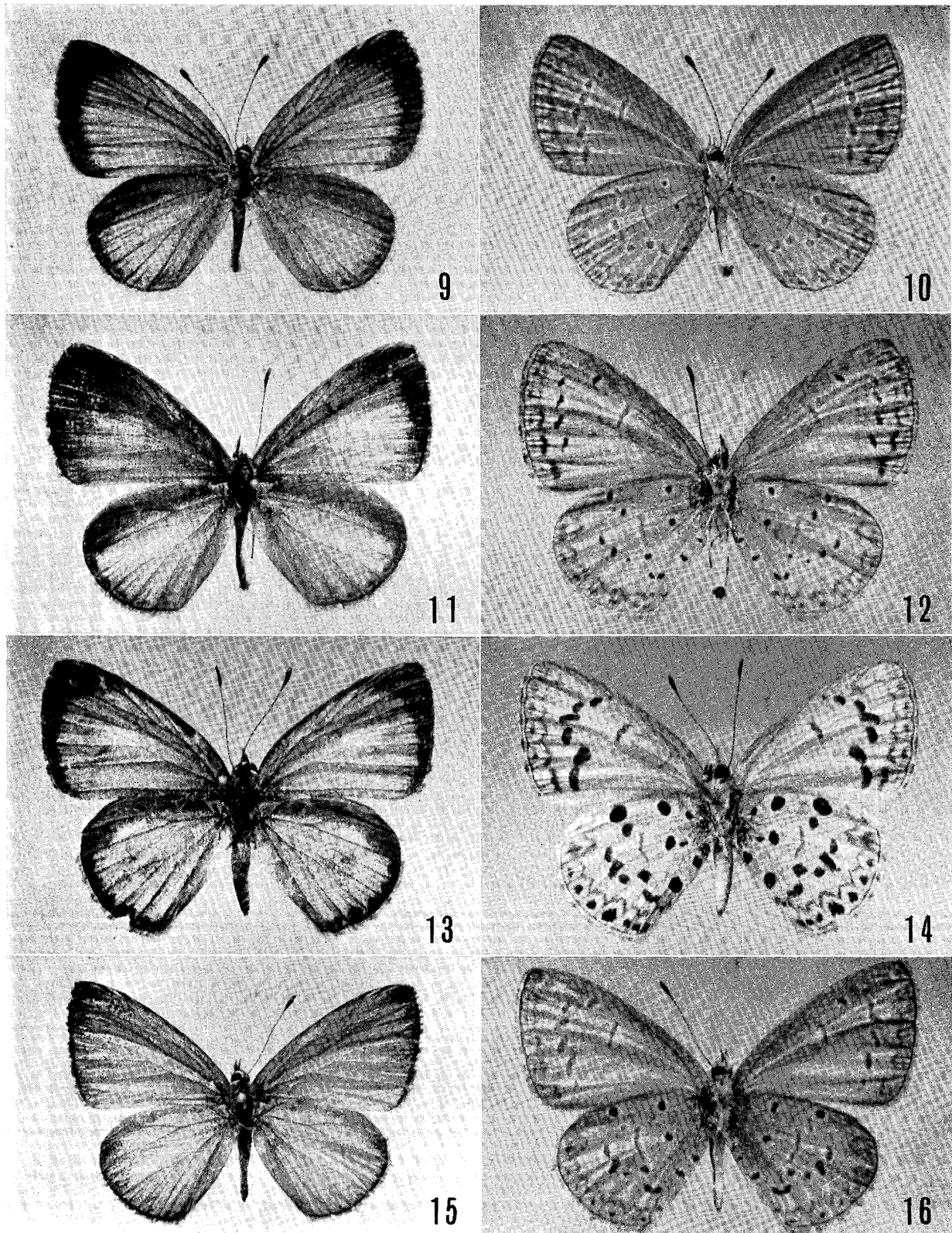
All of the specimens were captured by himself, hence the author left out the name of the collection in the following description. The places were as follows: Chom Thong, Mt. Huay Khao, Fang and near the border of Burma.

Before going further, the author wishes to express his hearty thanks to Mr. T. G. Howarth, Mr. C. F. Huggins and the other staff of the British Museum (Natural History), Mr. Akito Kawazoé and Mr. Syoichi Iwanaga who gave kind advices and facilities for investigation.

1. *Miletus mallus shania* Evans (Figs. 1, 2)
1♂, Mt. Huay Khao, 23 March; 1♀, Mt. Huay Khao, 27 March.
2. *Miletus chinensis longeana* Nicéville
2♂♂, Mt. Huay Khao, 27 March.
These specimens are more like *M. chinensis longeana* Nicéville than *M. chinensis irroratus* H. Druce.
3. *Castalius rosimon rosimon* Fabricius
1♂, 1♀, Chom Thong, 21 March.
4. *Pithecops corvus corvus* Fruhstorfer
1♂, Mt. Huay Khao, 27 March.
5. *Zizina otis otis* Fabricius
1♂, Fang, 25 March.
6. *Zizula hylax* Fabricius
1♀, Fang, 25 March.
7. *Anthene emolus goberus* Fruhstorfer
1♂, Mt. Huay Khao, 27 March.
8. *Lampides boeticus* Linnaeus
1♀, Fang, 25 March.
9. *Jamides celeno celeno* Cramer
2♂♂, 3♀♀, Chom Thong, 21 March; 2♂♂, Mt. Huay Khao, 23 March; 3♂♂, Fang, 25 March; 1♂, 1♀, Mt. Huay Khao, 27 March.
10. *Jamides bochus bochus* Stoll
1♂, Mt. Huay Khao, 23 March.
11. *Cathochrysops strabo strabo* Fabricius
1♀, Fang, 25 March; 2♂♂, Fang, 27 March.
12. *Nacaduba kurava euplea* Fruhstorfer (Figs. 3, 4)
1♂, Mt. Huay Khao, 27 March.
13. *Nacaduba beroe gythion* Fruhstorfer (Figs. 5, 6)
1♂, Fang, 25 March.



Figs. 1—8. Lycaenidae: (1) *Miletus mallus shania* Evans, ♀; (2) ditto, underside; (3) *Nacaduba kurava euplea* Furhstorfer, ♂; (4) ditto, underside; (5) *N. beroe gythion* Fruhstorfer, ♂; (6) ditto, underside; (7) *Narathura rama ramosa* Evans, ♂; (8) ditto, underside.



Figs. 9—16. Lycaenidae; (9) *Bothrinia chennellii karenia* Tytler, ♂; (10) ditto, underside; (11) *Celastrina argiolus jyntheana* Niceville, ♂; (12) ditto, underside; (13) *C. puspa imperatrix* Butler, ♂; (14) ditto, underside; (15) *C. limbata placida* Nicéville, ♂; (16) ditto, underside.

14. *Prosotas nora nora* Felder

1 ♀, Fang, 25 March.

This is one of the smallest species of its allies.

♀. Upperside forewing brown, with broad blackish margin; basal area tinged with obscure blue; hindwing with obscure dark submarginal spots, of which the spot of space 2 is rather prominent.

15. *Sytarucus plinius plinius* Fabricius

1 ♀, Chom Thong, 21 March; 2 ♂♂, Fang, 25 March.

16. *Celastrina dilectus dilectus* Moore

1 ♂, Mt. Huay Khao, 23 March.

17. *Celastrina musina pelides* Fruhstorfer

1 ♂, Mt. Huay Khao, 23 March.

♂. Upperside of wings dull blue, slightly paler costally; blackish outer margin narrow, somewhat dilated to the apex. Underside markings rather distinct, including two black costal spots in space 7.

18. *Celastrina argiolus jyntheana* Nicéville (Figs. 11, 12)

1 ♂, Mt. Huay Khao, 23 March; 2 ♂♂, Fang, 25 March; 2 ♂♂, Mt. Huay Khao, 27 March.

All specimens are very variable in wing markings on upperside, though they were taken from the neighbourhood of each other in a short period, as follows:

Upperside: 1) In four specimens each wing has a prominent pale discal patch, which, in one specimen, is dilated towards distal portion of space 4 to 6 on hindwing, while in other specimen that patch is reduced and is almost invisible. 2) In two specimens veins 1 to 6 on forewing are dark coloured distally.

Male genitalia of this species have the differently shaped valvae from those of allies.

19. *Celastrina limbata placida* Nicéville (Fig. 15, 16)

1 ♂, Mt. Huay Khao, 23 March.

20. *Celastrina puspa imperatrix* Butler (Figs. 13, 14)

1 ♂, Fang, 25 March; 1 ♂, Mt. Huay Khao, 27 March.

21. *Bothrinia chennellii karenia* Tytler (Figs. 9, 10) (= *Everes celastroides* Shirôzu & Saigusa, 1962, **syn. n.**)

9 ♂♂, Mt. Huay Khao, 23 March.

In appearance this resembles the species of the genus *Celastrina*, but may be easily separable from them mainly in the male genitalia.*Everes celastroides* was described by Shirozu and Saigusa (1962) as a new species, based on a male and a female specimens from Thailand. But the author regards it as a synonym of *Bothrinia chennellii karenia* Tytler.

The author took a number of the male specimens. They are rather variable in wing markings, as well as in size.

Upperside forewing: the variety of a slender discocellular, namely, almost the same colour as the ground, slightly darker than the ground, or rather distinctly dark; a discocellular not always margined with white. Hindwings: the basal portion of the space 7 of one specimen dark; in one specimen submarginal dot on each of spaces 1b to 5 obscure, but not completely disappear.

Underside forewing: a small indistinct post discal spot in each of spaces 1b to 6, while in one specimen double ones in space 1b. Hindwing: all specimens a dot in the middle of discoidal cell black.

Size: ♂, length of forewing, 12.5—15.5 mm.

22. *Chilades lajus lajus* Stoll

1 ♀, Chom Thong, 21 March.

Posterior half of hindwing below of the present specimen not darken and with very broad white post discal fascia.

23. *Chilades pandava pandava* Horsfield

1 ♀, Chom Thong, 21 March.

♀. Upperside: costal and marginal border very broadly blackish and basal area pale blue; hindwing having space 2 with a black spot slightly crowned with orange.

24. *Spalgis epius epius* Westwood

1 ♀, Fang, 25 March.

This is the sole species of the genus in the oriental region, and is distributed throughout there.

Upperside dark brown, with a distinct pale yellowish discal patch on both wings; forewing termen rather rounded. Underside pale grey with numerous darker wave-like striations and with a clearly white spot at end of cell of forewing.

25. *Curetis bulis bulis* Doubleday & Hewitson

1 ♂, Fang, 25 March; 1 ♂, Mt. Huay Khao, 27 March.

26. *Curetis dentata dentata* Moore

1 ♂, Fang, 25 March.

On upperside hindwing of the specimen before him, blackish area of basal half of space 7 and base of space 8 not well defined. Underside: fasciae on both wings rather distinct.

27. *Horaga albimacula viola* Moore

1 ♂, Mt. Huay Khao, 27 March.

New to Thailand.

28. *Heliophorus epicles idicus* Fruhstorfer

2 ♂♂, Fang, 25 March.

29. *Loxura atymnus continentalis* Fruhstorfer

1 ♂, Fang, 25 March.

30. *Zeltus amasa amasa* Hewitson

1 ♂, Mt. Huay Khao, 27 March.

This species has two long tails on hindwing, and the inner one is very long. Underside hindwing with a prominent black spot near the base of space 7.

31. *Neomyrina nivea nivea* Godman & Salvin

5 ♂♂, Mt. Huay Khao, 27 March.

32. *Cheritra freja freja* Fabricius

2 ♀♀, Mt. Huay Khao, 23 March.

33. *Rapala* sp.

1 ♀, Fang, 25 March.

The author can not determine the specific name of the female specimen which resembles the female of *Rapala dioetas*.

34. *Rapala pheretima petsiris* Hewitson

2 ♂♂, Mt. Huay Khao, 27 March.

Upperside: anal lobe of hindwing reddish brown. Underside: forewing with two broad dark bars on discoidal cell, one at the distal portion, the other at the middle.

35. *Flos asoka chola* Moore

1 ♂, Mt. Huay Khao, 27 March.

36. *Panchala birmana birmana* Moore

5 ♂♂, 2 ♀♀, Mt. Huay Khao, 27 March.

Interspace between central and discal spots on hindwing is impurely white.

37. *Narathura fulla ignara* Riley & Godfrey
1♂, Mt. Huay Khao, 23 March ; 3♂♂, Mt. Huay Khao, 27 March.
38. *Narathura agaba* Hewitson
1♂, 1♀, Mt. Huay Khao, 27 March.
39. *Narathura abseus indicus* Riley
1♂, Mt. Huay Khao, 23 March; 2♂♂, 1♀, Mt. Huay Khao, 27 March.
♂. Upperside purplish blue, the border being widely blackened on both wings; forewing with a black dot at end of cell.
♀. Upperside blue; underside tornal area ornamented with golden scales.
40. *Narathura alax* Evans
1♀, Mt. Huay Khao, 23 March; 2♂♂, Mt. Huay Khao, 27 March.
41. *Narathura centaurus centaurus* Fabricius
3♂♂, 1♀, Mt. Huay Khao, 27 March.
This is one of the largest species in the genus *Narathura*.
Upperside black border thread-like in the male, while rather broadened in the female, whereby almost of space 6 on hindwing is blackened. Underside forewing with the cell spots edged with silvery blue.
42. *Narathura rama ramosa* Evans (Figs. 7, 8)
1♂, Mt. Huay Khao, 27 March.

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